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20 Copy Input Into Copy Input Into State Array State Array Perform AddRoundKey Perform AddRoundKey Transform 18 Transform 18 Perform SubBytes Perform InvShiftRows Transform 22 Transform 12 Perform InvSubBytes Perform ShiftRows Transform 24 Transform 14 Perform AddRoundKey Perform MixColumns Transform 18 Transform 16 Perform AddRoundKey Perform InvMixColumns Transform 28 Transform 18 No No Nr - 1 Nr - 1 Loops? Loops? Yes Yes Perform InvShiftRows Perform SubBytes Transform 12 Transform 22 Perform ShiftRows Perform InvSubBytes Transform 14 Transform 24 Perform AddRoundKey Perform AddRoundKey Transform 18 Transform 18 Copy State Array Copy State Array Into Output Into Output Figure 1b Figure 1a (Prior Art) (Prior Art)



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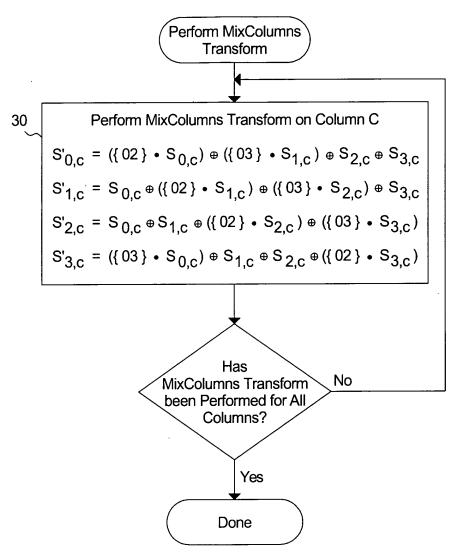


Figure 2

(Prior Art)



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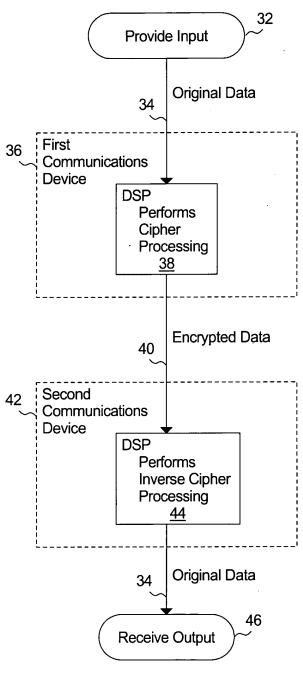


Figure 3